4.3 Surface Map (SURFMAP)

EOSDIS Product Code: CERX07

The Surface Map (SURFMAP) product is a composite of various products each containing a different surface condition. The individual products each contain a single parameter arranged on a global 1/6-degree by 1/6-degree equal-angle grid (2160x1080 = 2,332,800 cells).

The SURFMAP products are updated at different frequencies, depending on the type of data. See Table 4.3-1 for a list of the individual products and their update frequency, units, and sizes. The last entry in the table is a static ASCII file of surface directional models and other relevant surface information.

Level: 3   **Portion of Globe Covered**
Frequency: Variable   **File:** Global
Configuration Code: 009000 and greater   **Record:** 1/6-Deg by 1/6-Deg

Time Interval Covered   **Portion of Atmosphere Covered**
  File: Variable   **File:** Surface
  Record: Variable

Table 4.3-1. SURFMAP Product

SURFMAP Data Type	Description	Update Frequency	Units	Range	Bits/ Element	Size in MB
ECO	IGBP Ecosystem map	1 / mission	N/A	0 .. 18	8	2.33
TER	Characteristic Terrain Map	1 / mission	N/A	0 .. 99	8	2.33
DEM	Digital elevation map	1 / mission	m	-120 .. 8000	16	4.66
EM03.75	Emissivity Map for 3.75 micron channel	1 / mission	N/A	.0 .. 1.0	8	2.33
EM10.80	Emissivity Map for 10.80 micron channel	1 / mission	N/A	.0 .. 1.0	8	2.33
EM11.90	Emissivity Map for 11.90 micron channel	1 / mission	N/A	.0 .. 1.0	8	2.33
EMBR	Emissivity Map for 0.2 - 50 micron channel (Broadband)	1 / mission	N/A	.0 .. 1.0	8	2.33
EMWN	Emissivity Map for 8 - 12 micron channel (Window)	1 / mission	N/A	.0 .. 1.0	8	2.33
ERBE	ERBE scene id map	1 / mission	N/A	1 .. 6	8	2.33
ICE	Ice map	1 / day	percent	0 .. 100	8	2.33
SNOW	Snow map	1 / day	in	0 .. 255	8	2.33
H2O	Percent water content map	1 / mission	percent	0 .. 100	8	2.33
LIB	Surface Models	1/mission	N/A	--	--	~5K
Total SURFMAP Size						**28.8**

SURFMAP Revision Record

The product Revision Record contains information pertaining to approved section changes. The table lists the date the Software Configuration Change Request (SCCR) was approved, the Release and Version Number, the SCCR number, a short description of the revision, and the revised sections. The authors are listed on the document cover.

SURFMAP Revision Record

SCCR Approval Date	Release/ Version Number	SCCR Number	Description of Revision	Section(s) Affected
N/A	R3V1	N/A	• Updated format to comply with standards.	All